



A DOCPHOENIX

APPL PARTS

| |
|-----------------------|
| IMIS |
| Internal Misc. Paper |
| LET. |
| Misc. Incoming Letter |

371P
PCT Papers in a 371 Application

A...
Amendment Including Elections

ABST
Abstract

ADS
Application Data Sheet

AF/D
Affidavit or Exhibit Received

APPENDIX
Appendix

ARTIFACT
Artifact

BIB
Bib Data Sheet

CLM
Claim

COMPUTER
Computer Program Listing

29.03.02 CRFL
All CRF Papers for Backfile

DIST
Terminal Disclaimer Filed

DRW
Drawings

FOR
Foreign Reference

FRPR
Foreign Priority Papers

IDS
IDS Including 1449

NPL
Non-Patent Literature

OATH
Oath or Declaration

PET.
Petition

RETMAIL
Mail Returned by USPS

SEQLIST
Sequence Listing

SPEC
Specification

SPEC NO
Specification Not in English

TRNA
Transmittal New Application

CTNF
Count Non-Final

CTRS
Count Restriction

EXIN
Examiner Interview

M903
DO/EO Acceptance

M905
DO/EO Missing Requirement

NFDR
Formal Drawing Required

NOA
Notice of Allowance

PETDEC
Petition Decision

OUTGOING

| |
|---------------------|
| CTMS |
| Misc. Office Action |

1449
Signed 1449

892

ABN
Abandonment

APDEC
Board of Appeals Decision

APEA
Examiner Answer

CTAV
Count Advisory Action

CTEQ
Count Ex parte Quayle

CTFR
Count Final Rejection

INCOMING

AP.B
Appeal Brief

C.AD
Change of Address

N/AP
Notice of Appeal

PA..
Change in Power of Attorney

REM
Applicant Remarks in Amendment

XT/
Extension of Time filed separate

BACKFILE DOCUMENT INDEX SHEET

Internal

SRNT
Examiner Search Notes

CLMPTO
PTO Prepared Complete Claim Set

ECBOX
Evidence Copy Box Identification

WCLM
Claim Worksheet

WFEE
Fee Worksheet

File Wrapper

FWCLM
File Wrapper Claim

IIFW
File Wrapper Issue Information

SRFW
File Wrapper Search Info

6/26/03



Does Not Comply
Corrected Diskette Needed

PCT09

Error on p. 2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/936,845A

DATE: 03/29/2002

TIME: 13:38:02

Input Set : A:\09-936,845 substitute sequence listing.txt

Output Set: N:\CRF3\03292002\I936845A.raw

3 <110> APPLICANT: Napier, Johnathan A.
5 <120> TITLE OF INVENTION: Polyunsaturated Fatty Acid (PUFA) Elongase from
Caenorhabditis elegans
7 <130> FILE REFERENCE: 76/7
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/936,845A
C--> 10 <141> CURRENT FILING DATE: 2002-03-06
12 <160> NUMBER OF SEQ ID NOS: 22
14 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

728 <210> SEQ ID NO: 22
729 <211> LENGTH: 269
730 <212> TYPE: PRT
731 <213> ORGANISM: C. elegans
733 <220> FEATURE:
734 <221> NAME/KEY: VARIANT
735 <222> LOCATION: (1)...(269)
736 <223> OTHER INFORMATION: Xaa = Any Amino Acid
738 <400> SEQUENCE: 22
739 Met Ser Ala Glu Val Ser Glu Arg Phe Lys Val Trp Thr Gly Asn Asn
740 1 5 10 15
742 Glu Thr Ile Ile Tyr Ser Pro Phe Glu Tyr Asp Ser Thr Leu Leu Ile
743 20 25 30
745 Glu Ser Cys Arg Cys Thr Tyr Gln Leu Leu Ile Leu Leu Arg Gln Ile
746 35 40 45
W--> 748 Tyr Tyr Arg Asp Ile Trp Ser His Gly Asn Leu Lys Ala Cys Asp Xaa
749 50 55 60
751 Leu Leu Leu Ala Trp Asn Gly Phe Leu Ala Val Phe Ser Ile Met Gly
752 65 70 75 80
W--> 754 Thr Trp Arg Phe Gly Ile Glu Phe Tyr Asp Ala Val Phe Arg Xaa Gly
755 85 90 95
W--> 757 Phe Ile Xaa Ser Ile Cys Leu Ala Val Asn Pro Arg Ser Pro Ser Ala
758 100 105 110
760 Phe Trp Ala Cys Met Phe Ala Leu Ser Lys Ile Ala Glu Phe Gly Asp
761 115 120 125
763 Thr Met Phe Leu Val Leu Arg Lys Arg Pro Val Ile Phe Leu His Trp
764 130 135 140
766 Tyr His His Ala Val Val Leu Ile Leu Ser Trp His Ala Ala Ile Glu
767 145 150 155 160
769 Leu Thr Ala Pro Gly Arg Trp Phe Ile Phe Met Asn Tyr Leu Val His
770 165 170 175
W--> 772 Ser Ile Met Tyr Thr Tyr Tyr Ala Ile Thr Ser Ile Gly Tyr Arg Xaa

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773              180              185              190
775 Pro Lys Ile Val Ser Met Thr Val Thr Phe Leu Gln Thr Leu Gln Met
776              195              200              205
778 Leu Ile Gly Val Ser Ile Ser Cys Ile Val Leu Tyr Leu Lys Leu Asn
779      210              215              220
781 Gly Glu Met Cys Gln Gln Ser Tyr Asp Asn Leu Ala Leu Ser Phe Gly
782 225              230              235              240
784 Ile Tyr Ala Ser Phe Leu Val Leu Ser Ser Phe Phe Asn Asn Ala Tyr
785              245              250              255
787 Leu Val Lys Lys Asp Lys Lys Pro Asp Val Lys Lys Asp
788              260              265

```

E--> 792 ① -delete